BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of Work:Drilling of New Borewell and Providing Pipeline in ward no 07 Byatarayanapura

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	7	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction (P.47, I. 9.4) PRED.SR 2012-13	Each BW	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2	50	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / It. 9.1 PRED SR 2012-13 0 to 50 m	Rmtr	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
3	50	50 to 100 m	Rmtr	412	Rupees Four Hundred Twelve Only
4	50	100 to 150 m	Rmtr	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only
5	50	150 to 200 m	Rmtr	484.1	Rupees Four Hundred Eighty Four and Ten Paise Only
6	50	200 to 250 m	Rmtr	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
7	50	250 to 300 m	Rmtr	600.49	Rupees Six Hundred and Forty Nine Paise Only
8	280	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.(Piii, It, 84)	Rmtr	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
9	189	Providing 200mm dia PVC Pipe10kg/cm2 SE PRED PAGE NO 15 IT 3.4.3 G	Rmtr	1144	Rupees One Thousand One Hundred Forty Four Only
10	7	Providing and supllying 175mm dia M.S.Cap (as per PREC SR 2012-13) etc., complete as per specifications and direction of the Engineer--in-charge (Piii, It 85)	Nos	100	Rupees One Hundred Only
11	7	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following, Page No. XXXXII 17.5 HP 13kw 40 stage sub mersible pumpset	Nos	78036	Rupees Seventy Eight Thousand Thirty Six Only
12	1890	Providing and fixing in galvanised mild steel tubes (Heavy class as per IS 1239 Part-1990) 50mm dia nominal bore with all fittings including cost of all materials labour charges HOM of euipment and testing complete as per specification (PWD SR 2015-16 P NO.87, It No.13.6)	Mtr	457.92	Rupees Four Hundred Fifty Seven and Ninety Two Paise Only
13	4291	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2014-15	Nos	188.7	Rupees One Hundred Eighty Eight and Seventy Paise Only
14	7	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09	Nos	3000	Rupees Three Thousand Only
15	350	Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel	Nos	130	Rupees One Hundred Thirty Only
16	7	Supply of non return valve suitable for 50mm dia nominal bore galvanized mild steel tube (P No 95, It No.13.55)	Nos	1409.8	Rupees One Thousand Four Hundred Nine and Eighty Paise Only
17	7	Supplying of on load charges over switches 4 poles 415V, 5hr ac supply 100-125 amps group A (BWSSB SR Rate P No 3481, It Group A)	Nos	9845	Rupees Nine Thousand Eight Hundred Forty Five Only
18	7	Supply and fully automatic star delta uint push button type with suitable wires, 3 conatactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP (BWSSB SR P No. 335. It No.10(A)	Nos	5665	Rupees Five Thousand Six Hundred Sixty Five Only
19	7	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot (P-28. It No.16)	Nos	1500	Rupees One Thousand Five Hundred Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
20	7	Fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor /wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200 sqcm @ Rs.0.20 18 SWG (BWSSB SR P-352, It No 41)	Nos	7866	Rupees Seven Thousand Eight Hundred Sixty Six Only
21	7	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications (BWSSB SR P-352, It No 15)	Nos	2090	Rupees Two Thousand Ninety Only
22	7	Supplying and running of GI copper strips or grounding connections using necessary fixing materials required 600x600x3mm GI plate (P-378, It 9(E)	Nos	1072	Rupees One Thousand Seventy Two Only
23	42	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 32/I No 3d KPWD Electrical SR 2010-11	Nos	201.4	Rupees Two Hundred One and Forty Paise Only
24	163800	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15	Sqm	0.33	and Thirty Three Paise Only
25	7	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter	Nos	10000	Rupees Ten Thousand Only
26	7	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 (P.81/I.13.37 PWD SR - 2015-16)	Nos	1843.34	Rupees One Thousand Eight Hundred Forty Three and Thirty Four Paise Only
27	175	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11	Rmtr	140.4	Rupees One Hundred Forty and Forty Paise Only
28	175	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11	Rmtr	10.8	Rupees Ten and Eighty Paise Only
29	175	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB 1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11	Rmtr	117	Rupees One Hundred Seventeen Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
30	28	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 70/ I No.9-A KPWD Electrical SR 2010-11	Rmtr	345	Rupees Three Hundred Forty Five Only
31	7	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11	Nos	280	Rupees Two Hundred Eighty Only
32	100.8	Cutting the road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc in following classifications Cutting in Cement concrete road surface (Page 269 Item 37.40)	Cmtr	727.16	Rupees Seven Hundred Twenty Seven and Sixteen Paise Only
33	1680	Providing and fixing Chorinated Poly Venyl Chloride(CPVC) pipes confirming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass treaded fittings including fixing the pipe with clamp at 1.oo m spacing.This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (inertnal work exposed on wall).(Pg No.98, Item No.13.85.6. 50mm nominal OD pipe)	m	492.9	Rupees Four Hundred Ninety Two and Ninety Paise Only
34	33.6	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.Specification No.KBS 2.10.2(Page No7., Item No. 2.13)	Cmtr	2183.6	Rupees Two Thousand One Hundred Eighty Three and Sixty Paise Only
35	5.6	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.6)	Cmtr	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

" DTS APPROVED "

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.